

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

MAY 2013

SHASTA LAKE FLOOD CONTROL REQUIREMENTS

RUN DATE: July 19, 2013

DAY	SHASTA INFLOW C. F. S.	PREV DAY F. C. PAR (COL 3) X .95	F. C. PARAM (COLS. 1 + 2)	.0356* X DAYS 12/23 THRU 3/20	530,000 MINUS F. C. PARAM (COL 3)	COLS 4 X 5	F. C. RESERV (1,300,000 - COL 6)	MINUS 14,943 PER DAY AFTER 3/20	ADJUSTED F. C. RESERV (7-8)	PERM STORAGE
1	2	3	4	5	6	7	8			
			123,504							
1	4,221	117,329	121,550	3.0972	408,450	1,265,052	34,948	627,606		4,552,000
2	3,904	115,472	119,376	3.0972	410,624	1,271,784	28,216	642,549		4,552,000
3	4,365	113,407	117,772	3.0972	412,228	1,276,751	23,249	657,492		4,552,000
4	3,654	111,884	115,538	3.0972	414,462	1,283,672	16,328	672,435		4,552,000
5	3,757	109,761	113,518	3.0972	416,482	1,289,928	10,072	687,378		4,552,000
6	4,520	107,842	112,362	3.0972	417,638	1,293,508	6,492	702,321		4,552,000
7	5,180	106,744	111,924	3.0972	418,076	1,294,865	5,135	717,264		4,552,000
8	3,842	106,328	110,170	3.0972	419,830	1,300,000	0	732,207		4,552,000
9	5,361	104,661	110,022	3.0972	419,978	1,300,000	0	747,150		4,552,000
10	5,393	104,521	109,914	3.0972	420,000	1,300,000	0	762,093		4,552,000
11	4,635	104,418	109,053	3.0972	420,000	1,300,000	0	777,036		4,552,000
12	4,478	103,601	108,079	3.0972	420,000	1,300,000	0	791,979		4,552,000
13	4,873	102,675	107,548	3.0972	420,000	1,300,000	0	806,922		4,552,000
14	3,033	102,170	105,203	3.0972	420,000	1,300,000	0	821,865		4,552,000
15	2,871	99,943	102,814	3.0972	420,000	1,300,000	0	836,808		4,552,000
16	2,937	97,674	100,611	3.0972	420,000	1,300,000	0	851,751		4,552,000
17	3,125	95,580	98,705	3.0972	420,000	1,300,000	0	866,694		4,552,000
18	3,756	93,770	97,526	3.0972	420,000	1,300,000	0	881,637		4,552,000
19	3,333	92,649	95,982	3.0972	420,000	1,300,000	0	896,580		4,552,000
20	4,387	91,183	95,570	3.0972	420,000	1,300,000	0	911,523		4,552,000
21	4,158	90,792	94,950	3.0972	420,000	1,300,000	0	926,466		4,552,000
22	3,339	90,202	93,541	3.0972	420,000	1,300,000	0	941,409		4,552,000
23	3,372	88,864	92,236	3.0972	420,000	1,300,000	0	956,352		4,552,000
24	3,772	87,624	91,396	3.0972	420,000	1,300,000	0	971,295		4,552,000
25	3,227	86,827	90,054	3.0972	420,000	1,300,000	0	986,238		4,552,000
26	3,666	85,551	89,217	3.0972	420,000	1,300,000	0	1,001,181		4,552,000
27	3,895	84,756	88,651	3.0972	420,000	1,300,000	0	1,016,124		4,552,000
28	3,958	84,219	88,177	3.0972	420,000	1,300,000	0	1,031,067		4,552,000
29	3,253	83,768	87,021	3.0972	420,000	1,300,000	0	1,046,010		4,552,000
30	3,430	82,670	86,100	3.0972	420,000	1,300,000	0	1,060,953		4,552,000
31	3,225	81,795	85,020	3.0972	420,000	1,300,000	0	1,075,896		4,552,000

COMMENTS:

* LEAP YEAR CONSTANT = .0352

CONSTANT .0356 = 1,300,000 / (TOTAL DAYS X (530,000 - 110,000))

IF COL 3 IS GREATER THAN 530,000 OR LESS THAN 110,000 USE THOSE VALUES FOR COL 3 INSTEAD OF THE COMPUTED VALUE.